

Table1: Rel A MSS L4 to RBR**MSS L4 Requirement Clean-Up using baseline 07-31-96****This table identifies the relationship between Level_4 and RBR****This table is for review purposes only.**

RBR ID	REQ KEY	REQ TYPE	RBR TEXT	REQ INTERP	L4 ID	REQ KEY	REQ TYPE	REL	L4 TEXT	CLARIFIC
NOAA0700#A	3389	interface	The ECS shall have the capability to send and the NMC shall have the capability to receive requests for ancillary data to support ECS standard product generation.		C-MSS-10050	—143	interfac e	A	The MSS shall interface with the Affiliated Data Centers (ADC) to exchange data identified in Table 5.1-1 as specified in ECS/ADC IRD; 219-CD-006.	
NOAA0600#A	5869	interface	The SAAs shall have the capability to send and the ECS shall have the capability to receive Network Management information.							
NOAA0610#A	5872	interface	The ECS shall have the capability to send and the SAAs shall have the capability to receive Network Management information.							
NOAA0120#A	2105	interface	The SAAs shall have the capability to send and the ECS shall have the capability to receive User Authentication Requests.							
NOAA0140#A	2108	interface	The SAAs shall have the capability to send and the ECS shall have the capability to receive User Authentication Results.							

ESN-0640#A	5339	functional	The ESN shall include management functions at each ECS element, equipment or gateway within the ESN.		C-MSS-10090	—147	interfac e	A	The MSS shall interface with the Program Support Communications Network (PSCN) to exchange data identified in Table 5.1-1 as specified in ECS/PSCN IRD, 193-219-SE1-008.	
EOSD1600#B	6220	interface	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	B: OTHER EDOS/EOC STATUS (AS APPLICABLE) . STATUS EXCHANGES BETWEEN GSFC + LARC DAACS & EDOS; ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.	C-MSS-10100	—148	interfac e	A	The MSS shall interface with the EDOS to exchange data identified in Table 5.1-1 as specified in EDOS/EGS IRD, 560-EDOS-0211.	
SMC-5325#A	4334	security	The LSM shall promulgate, maintain, authenticate, and monitor user and device accesses and privileges.							
EOSD1600#A	4825	interface	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	A: FOR STATUS EXCHANGES BETWEEN EOC AND EDOS CODAS AND TSS SUMMARY REPORTS FROM EDOS; ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.						

EOSD1770#A	4839	interface	ECS elements shall exchange the following types of data at a minimum with the IPs: a. Instrument command loads b. Science data c. Planning and scheduling data d. Directories e. Product Orders	A: limited interface testing with ASTER (selected planning and scheduling data). Note: Instrument command load information is included in planning and scheduling data.	C-MSS-10110	—149	interface	A	The MSS shall interface with the International Partners (IP) for Data Interoperability to exchange data identified in Table 5.1-1 as specified in ECS/IP IRD, 194-219-SE1-015.	
EOSD2440#A	4845	security	Data base integrity including prevention of data loss and corruption shall be maintained.		C-MSS-18040	—218	functional	A	The MSS Management Data Access Service shall maintain the integrity of the management database.	
ESN-1000#A	5216	functional	The ESN network management function shall have the capability to build histories for different types of errors and events, and the capability to analyze errors and recommend corrective action wherever practical.	A: Manual						

EOSD0500#A	5598	functional	ECS shall perform the following major functions: a. EOS Mission Planning and Scheduling b. EOS Mission Operations c. Command and Control d. Communications and Networking e. Data Input f. Data Processing g. Data Storage h. Data Distribution i. Information Management j. End-to-End Fault Management k. System Management	This "high level" requirement covers almost all capabilities provided by ECS. Only selected software and hardware requirements are mapped to this requirement. Additional software requirements are mapped to "lower level" RBRs which are more specific.						
EOSD2440#B	3885	security	Data base integrity including prevention of data loss and corruption shall be maintained.							
EOSD1710#A	6456	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	A: NOAA ADC 1-way interoperability ECS to NOAA	C-MSS-18060	955	functional	A	The Management Data Access Service shall provide the capability for an application <u>operator</u> to access management data <u>via a log browser</u> .	
ESN-0070#A	6322	functional	The ESN shall support the intrasite elements data flow requirements identified in this specification.							

ESN-1000#A	5216	functional	The ESN network management function shall have the capability to build histories for different types of errors and events, and the capability to analyze errors and recommend corrective action wherever practical.	A: Manual						
EOSD3492#A	5096	RMA	RMA data shall be maintained in a repository accessible for logistics analysis and other purposes.							
SDPS0010#B	5051	functional	The SDPS shall provide CSMS with operational, data processing, data quality and accounting status.							
EOSD2430#A	4844	security	Data base access and manipulation shall accommodate control of user access and update of security controlled data.							
EOSD1710#B	3873	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	B: 2-way interoperability						

EOSD3492#B	3900	RMA	RMA data shall be maintained in a repository accessible for logistics analysis and other purposes.							
SDPS0010#A	4127	functional	The SDPS shall provide CSMS with operational, data processing, and data quality.	A: No accounting						
ESN-0070#B	6324	functional	The ESN shall support the intrasite elements data flow requirements identified in this specification.							
EOSD2430#B	3884	security	Data base access and manipulation shall accommodate control of user access and update of security controlled data.							
EOSD0500#A	5598	functional	ECS shall perform the following major functions: a. EOS Mission Planning and Scheduling b. EOS Mission Operations c. Command and Control d. Communications and Networking e. Data Input f. Data Processing g. Data Storage h. Data Distribution i. Information Management j. End-to-End Fault Management k. System Management	This "high level" requirement covers almost all capabilities provided by ECS. Only selected software and hardware requirements are mapped to this requirement. Additional software requirements are mapped to "lower level" RBRs which are more specific.						

SDPS0010#B	5051	functional	The SDPS shall provide CSMS with operational, data processing, data quality and accounting status.		C-MSS-18070	221	functional	A	The MSS Management Data Access Service shall provide the capability to selectively access management data.	<u>This refers to the capability to sort and filter events in the management logs.</u>
EOSD0500#A	5598	functional	ECS shall perform the following major functions: a. EOS Mission Planning and Scheduling b. EOS Mission Operations c. Command and Control d. Communications and Networking e. Data Input f. Data Processing g. Data Storage h. Data Distribution i. Information Management j. End-to-End Fault Management k. System Management	This "high level" requirement covers almost all capabilities provided by ECS. Only selected software and hardware requirements are mapped to this requirement. Additional software requirements are mapped to "lower level" RBRs which are more specific.	C-MSS-18200	224	functional	A	The MSS Management Data Access Service shall provide the capability for an application via APIs to update fields in <u>append information to</u> the management database.	<u>Applications log events via API. MDA uses data in the logs to update the management database.</u>
ESN-0910#B	6346	functional	The ESN fault management shall provide the capability to perform the following functions, at a minimum, both locally and at the SMC: a. set, view, and change alert threshold values b. enable and disable alert notifications (alarms) within a system c. enable and disable event reports within a system d. manage error and event logging files							

SMC-1000#A	4214	functional	<p>The SMC shall provide application programming interfaces (APIs) for the monitoring and control of managed resources. These APIs shall provide mechanisms for:</p> <ul style="list-style-type: none"> a. Capturing, by an application, of management data b. Exchanging management data between a managed application and its management agent c. Exchanging management data between a management agent and the LSM d. Performing analyses and generating reports using management data 	A: Partial/automated - except for item c.						
SMC-1000#B	5150	functional	<p>The SMC shall provide application programming interfaces (APIs) for the monitoring and control of managed resources. These APIs shall provide mechanisms for:</p> <ul style="list-style-type: none"> a. Capturing, by an application, of management data b. Exchanging management data between a managed application and its management agent c. Exchanging management data between a management agent and the LSM d. Performing analyses and generating reports using management data 	B: full compliance						

ESN-0910#A	6345	functional	<p>The ESN fault management shall provide the capability to perform the following functions, at a minimum, both locally and at the SMC:</p> <ul style="list-style-type: none"> a. set, view, and change alert threshold values b. enable and disable alert notifications (alarms) within a system c. enable and disable event reports within a system d. manage error and event logging files 							
ESN-0910#A	6345	functional	<p>The ESN fault management shall provide the capability to perform the following functions, at a minimum, both locally and at the SMC:</p> <ul style="list-style-type: none"> a. set, view, and change alert threshold values b. enable and disable alert notifications (alarms) within a system c. enable and disable event reports within a system d. manage error and event logging files 		C-MSS-18220	225	functional	A	<p>The MSS Management Data Access Service shall provide the capability for an application via APIs to alter tables and fields in the management database.</p>	

ESN-0910#B	6346	functional	<p>The ESN fault management shall provide the capability to perform the following functions, at a minimum, both locally and at the SMC:</p> <ul style="list-style-type: none"> a. set, view, and change alert threshold values b. enable and disable alert notifications (alarms) within a system c. enable and disable event reports within a system d. manage error and event logging files 							
EOSD0500#A	5598	functional	<p>ECS shall perform the following major functions:</p> <ul style="list-style-type: none"> a. EOS Mission Planning and Scheduling b. EOS Mission Operations c. Command and Control d. Communications and Networking e. Data Input f. Data Processing g. Data Storage h. Data Distribution i. Information Management j. End-to-End Fault Management k. System Management 	<p>This "high level" requirement covers almost all capabilities provided by ECS. Only selected software and hardware requirements are mapped to this requirement. Additional software requirements are mapped to "lower level" RBRs which are more specific.</p>						

EOSD1710#A	6456	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	A: NOAA ADC 1-way interoperability ECS to NOAA	C-MSS- 18280	229	functional	A	The MSS Management Data Access Service shall have the capability to schedule the transfer of management data at the sites to the SMC.	
SMC-3410#B	4952	functional	The SMC shall perform short and long-term trend analysis of system, site, and element performance to include, at a minimum: a. Operational status b. Performance of a particular resource c. Maintenance activities (e.g., number of repairs per item)	B: Full capability						
EOSD3492#A	5096	RMA	RMA data shall be maintained in a repository accessible for logistics analysis and other purposes.							
ESN-0070#A	6322	functional	The ESN shall support the intrasite elements data flow requirements identified in this specification.							

ESN-0910#A	6345	functional	The ESN fault management shall provide the capability to perform the following functions, at a minimum, both locally and at the SMC: a. set, view, and change alert threshold values b. enable and disable alert notifications (alarms) within a system c. enable and disable event reports within a system d. manage error and event logging files							
ESN-0830#A	6339	functional	The ESN shall have the capability to detect and report communications related errors and events both locally and at the SMC.							
EOSD1710#B	3873	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	B: 2-way interoperability						
EOSD3492#B	3900	RMA	RMA data shall be maintained in a repository accessible for logistics analysis and other purposes.							
ESN-0070#B	6324	functional	The ESN shall support the intrasite elements data flow requirements identified in this specification.							

SDPS0010#A	4127	functional	The SDPS shall provide CSMS with operational, data processing, and data quality.	A: No accounting						
ESN-0910#B	6346	functional	The ESN fault management shall provide the capability to perform the following functions, at a minimum, both locally and at the SMC: a. set, view, and change alert threshold values b. enable and disable alert notifications (alarms) within a system c. enable and disable event reports within a system d. manage error and event logging files							
ESN-0830#B	6342	functional	The ESN shall have the capability to detect and report communications related errors and events both locally and at the SMC.							

EOSD0500#A	5598	functional	<p>ECS shall perform the following major functions:</p> <ul style="list-style-type: none"> a. EOS Mission Planning and Scheduling b. EOS Mission Operations c. Command and Control d. Communications and Networking e. Data Input f. Data Processing g. Data Storage h. Data Distribution i. Information Management j. End-to-End Fault Management k. System Management 	<p>This "high level" requirement covers almost all capabilities provided by ECS. Only selected software and hardware requirements are mapped to this requirement. Additional software requirements are mapped to "lower level" RBRs which are more specific.</p>						
SMC-3410#A	4312	functional	<p>The SMC shall perform short and long-term trend analysis of system, site, and element performance to include, at a minimum:</p> <ul style="list-style-type: none"> a. Operational status b. Performance of a particular resource c. Maintenance activities (e.g., number of repairs per item) 	<p>A: Performed by M&O staff using various performance management tools</p>						

SMC-1000#A	4214	functional	The SMC shall provide application programming interfaces (APIs) for the monitoring and control of managed resources. These APIs shall provide mechanisms for: a. Capturing, by an application, of management data b. Exchanging management data between a managed application and its management agent c. Exchanging management data between a management agent and the LSM d. Performing analyses and generating reports using management data	A: Partial/automated - except for item c.	C-MSS-18330	863	functional	A	The MSS Management Data Access Service shall provide the capability for an application to append records to a log file.	
SMC-1000#B	5150	functional	The SMC shall provide application programming interfaces (APIs) for the monitoring and control of managed resources. These APIs shall provide mechanisms for: a. Capturing, by an application, of management data b. Exchanging management data between a managed application and its management agent c. Exchanging management data between a management agent and the LSM d. Performing analyses and generating reports using management data	B: full compliance						

SDPS0010#B	5051	functional	The SDPS shall provide CSMS with operational, data processing, data quality and accounting status.		C-MSS-18340	233	functional	A	The MSS Management Data Access Service shall provide the capability for an application <u>operator</u> to selectively read a record from a log file	
ESN-1000#A	5216	functional	The ESN network management function shall have the capability to build histories for different types of errors and events, and the capability to analyze errors and recommend corrective action wherever practical.	A: Manual						
ESN-1070#A	5226	functional	The ESN shall provide the capability to perform the following functions, at a minimum: a. generate/collect network statistics b. control collection/generation of network statistics c. store system statistics and statistical histories d. display the system statistics e. track end-to-end transaction performance							
ESN-0070#A	6322	functional	The ESN shall support the intrasite elements data flow requirements identified in this specification.							

EOSD0500#A	5598	functional	ECS shall perform the following major functions: a. EOS Mission Planning and Scheduling b. EOS Mission Operations c. Command and Control d. Communications and Networking e. Data Input f. Data Processing g. Data Storage h. Data Distribution i. Information Management j. End-to-End Fault Management k. System Management	This "high level" requirement covers almost all capabilities provided by ECS. Only selected software and hardware requirements are mapped to this requirement. Additional software requirements are mapped to "lower level" RBRs which are more specific.						
ESN-0070#B	6324	functional	The ESN shall support the intrasite elements data flow requirements identified in this specification.							
ESN-1070#B	3999	functional	The ESN shall provide the capability to perform the following functions, at a minimum: a. generate/collect network statistics b. control collection/generation of network statistics c. store system statistics and statistical histories d. display the system statistics e. track end-to-end transaction performance							

SDPS0010#A	4127	functional	The SDPS shall provide CSMS with operational, data processing, and data quality.	A: No accounting						
SMC-1000#B	5150	functional	The SMC shall provide application programming interfaces (APIs) for the monitoring and control of managed resources. These APIs shall provide mechanisms for: a. Capturing, by an application, of management data b. Exchanging management data between a managed application and its management agent c. Exchanging management data between a management agent and the LSM d. Performing analyses and generating reports using management data	B: full compliance	C-MSS-36110	440	functional	A	The MSS Management Agent Service shall provide an ECS domain manager <u>master</u> agent to coordinate and communicate with multiple ECS management <u>subagents</u> .	
AM1-0220#A	34	interface	The ECS shall have the capability to provide and the MISR, MOPITT, MODIS, and CERES PIs/TLs shall have the capability to receive IST toolkit software, IST toolkit software upgrades, and IST toolkit documentation.		C-MSS-40460	400	functional <u>operational</u>	A	The MSS configuration management application service at the SMC shall assemble unlicensed toolkit software files for posting to the ECS bulletin board. Files consist of: a._source code; b._linkable object code for selected workstation configurations; c._makefiles that automate installation; d._installation instructions.	<u>Assembly of software files performed manually by M&O operators.</u>

AM1-0220#B	35	interface	The ECS shall have the capability to provide and the MISR, MOPITT, MODIS, and CERES PIs/TLs shall have the capability to receive IST toolkit software, IST toolkit software upgrades, and IST toolkit documentation.							
SMC-2515#A	4275	functional	The LSM shall provide configuration management for at least the operational hardware, system software, and scientific software within its element and for the migration of enhancements into the operational system.							
SMC-2535#B	4777	functional	Upon approval of an enhancement, the LSM shall facilitate the implementation of the approved changes within an elements hardware and software.	B: Full capability						
SMC-2515#B	4753	functional	The LSM shall provide configuration management for at least the operational hardware, system software, and scientific software within its element and for the migration of enhancements into the operational system.							
SMC-2535#A	4279	functional	Upon approval of an enhancement, the LSM shall facilitate the implementation of the approved changes within an elements hardware and software.	A: Partial compliance - Performed by M&O staff using various CM and other tools						

SMC-8860#A	4376	functional	The SMC shall have the capability to generate detailed and summary fault management reports describing the fault management of ground resources, including, at a minimum: a. Fault type and description b. Time of occurrence of fault c. Effect on system d. Status of fault resolution e. Fault statistics	A: Performed by M&O staff using office automation tools.	C-MSS-57550	5129	functional	A	The Trouble Ticketing Service shall provide the ability to maintain different be capable of indicating whether a trouble ticket statuses including: is Open, Work-In-Progress, Closed, Archived. <u>The Trouble Ticketing Service shall be capable of indicating whether a trouble ticket is open, in progress, closed, or archived.</u>	
EOSD1710#A	6456	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	A: NOAA ADC 1-way interoperability ECS to NOAA	C-MSS-60160	215	functional <u>operational</u>	A	The MSS EMC Fault Management Application Service shall have the capability to receive notifications of detected faults and degradation of performance from: a. _Site fault management applications b. _Other external systems as defined in Section 5.1.	<u>Satisfied via e-mail.</u>
ESN-0800#A	6335	functional	The ESN shall be capable of displaying the local network configuration status related to each system locally, and for all systems at the SMC.	All applicable sites						
NSI-0030#A	6231	interface	NSI shall have the capability of sending and ECS shall have the capability of receiving notification of faults in NSI's network that may affect the quality of NSI services between ECS and its users.							

NSI-0030#B	6239	interface	NSI shall have the capability of sending and ECS shall have the capability of receiving notification of faults in NSI's network that may affect the quality of NSI services between ECS and its users.							
NSI-0040#B	6240	interface	NSI shall make available to ECS information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.							
NSI-0040#A	6232	interface	NSI shall make available to ECS information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.							
ESN-0760#A	5360	functional	The ESN report generation function shall provide, on an interactive and scheduled basis, accounting, network configuration, fault and performance management information.		C-MSS-60210	226	functional <u>operational</u>	A	The MSS Fault Management Application Service shall maintain a list of external service providers, M&O operators, and applications to be notified in the event that a specified fault is detected.	<u>Satisfied via QA tools.</u>
EOSD1710#B	3873	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	B: 2-way interoperability						

ESN-0760#B	3981	functional	The ESN report generation function shall provide, on an interactive and scheduled basis, accounting, network configuration, fault and performance management information.							
EOSD1710#A	6456	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	A: NOAA ADC 1-way interoperability ECS to NOAA						
EOSD0730#A	4802	functional	Each ECS element shall be capable of verifying the fidelity of the ECS element interface to: a. Other ECS elements at any time during the lifetime of the ECS b. Entities external to ECS at any time during the lifetime of the ECS		C-MSS-60300	254	functional	A	The MSS Fault Management Application Service shall provide the capability to identify routes <u>verify connectivity</u> between selected pairs of hosts on the ESN.	
ESN-0810#A	5200	functional	ESN shall provide the following fault management functions at a minimum: a. detect the occurrence of faults, b. control the collection of fault information, and c. diagnose the probable cause of a detected fault							

ESN-0760#A	5360	functional	The ESN report generation function shall provide, on an interactive and scheduled basis, accounting, network configuration, fault and performance management information.							
SMC-4315#A	4324	functional	The LSM shall, at a minimum, isolate, locate, and identify faults, identify subsystem, equipment, and software faults, and identify the nature of the faults within its element.		C-MSS-60350	258	functional <u>operational</u>	A	The MSS Fault Management Application Service shall have the capability to periodically execute diagnostic tests in order to isolate, characterize and identify a fault._	<u>Diagnostics initiated manually by M&O operators.</u>
SMC-4325#A	4326	functional	The LSM shall request fault diagnosis testing be performed, including, at a minimum: a. Software and hardware tolerance testing b. Resource-to-resource connectivity testing within its element							
EOSD0780#B	3845	functional	Each ECS element shall be capable of being monitored during testing.							
ESN-0620#B	3975	functional	The ESN shall include a network management function to monitor and control the ESN.							

EOSD0500#A	5598	functional	ECS shall perform the following major functions: a. EOS Mission Planning and Scheduling b. EOS Mission Operations c. Command and Control d. Communications and Networking e. Data Input f. Data Processing g. Data Storage h. Data Distribution i. Information Management j. End-to-End Fault Management k. System Management	This "high level" requirement covers almost all capabilities provided by ECS. Only selected software and hardware requirements are mapped to this requirement. Additional software requirements are mapped to "lower level" RBRs which are more specific.						
EOSD0780#A	4807	functional	Each ECS element shall be capable of being monitored during testing.							
ESN-0620#A	5335	functional	The ESN shall include a network management function to monitor and control the ESN.							
SMC-4325#B	4966	functional	The LSM shall request fault diagnosis testing be performed, including, at a minimum: a. Software and hardware tolerance testing b. Resource-to-resource connectivity testing within its element							

SMC-4315#B	4964	functional	The LSM shall, at a minimum, isolate, locate, and identify faults, identify subsystem, equipment, and software faults, and identify the nature of the faults within its element.							
SMC-4300#B	4959	functional	The SMC shall support, maintain, and update system fault management policies and procedures including, at a minimum: a. Fault identification b. Fault priorities c. Recovery or corrective actions		C-MSS-60400	9790	functional <u>operational</u>	A	The MSS Fault Management Application Service shall support, maintain, and update system fault management policies and procedures, to include: _a._ Fault Identification _b._ Fault priorities _c._ Recovery or corrective actions	<u>Satisfied via OA tools.</u>
SMC-4305#B	4960	functional	The LSM shall maintain fault management policies and procedures for its element.							
SMC-4300#B	4959	functional	The SMC shall support, maintain, and update system fault management policies and procedures including, at a minimum: a. Fault identification b. Fault priorities c. Recovery or corrective actions		C-MSS-60410	265	functional <u>operational</u>	A	The MSS Site Fault Management Application Service shall have the capability to receive Fault Management Policies and Procedures from the EMC._	<u>Satisfied via e-mail.</u>
SMC-4305#B	4960	functional	The LSM shall maintain fault management policies and procedures for its element.							

SMC-4300#A	4319	functional	The SMC shall support, maintain, and update system fault management policies and procedures including, at a minimum: a. Fault identification b. Fault priorities c. Recovery or corrective actions	A: Performed by M&O staff using office automation tools						
SMC-4305#A	4321	functional	The LSM shall maintain fault management policies and procedures for its element.	A: Full compliance - Performed by M&O staff using office automation tools						
ESN-0620#A	5335	functional	The ESN shall include a network management function to monitor and control the ESN.		C-MSS-60420	5331	functional <u>operational</u>	A	The MSS Fault Management Application Service shall interface with the MSS Configuration Management Application Service and schedule a change in the configuration of the site when such a change in the configuration of the site is deemed necessary to recover from a fault.	<u>Site configuration changes are performed by M&O operators.</u>
ESN-0650#A	5345	security	The ESN shall perform the following network management functions for each protocol stack implemented in any ECS element, and each communications facility: a. Network Configuration Management b. Network Fault Management c. Network Performance Management d. Network Security Management							

SMC-4330#A	4328	functional	SMC shall have the capability to generate fault recovery commands, directives, and instructions to sites and elements except for faults directly related to flight operations.	A: Performed by M&O staff using e-mail and/or phone						
SMC-4335#A	4329	functional	The LSM shall generate fault recovery commands, directives, and instructions within its element.	A: Partial compliance - manual or semi-automated						
SMC-4330#B	4967	functional	SMC shall have the capability to generate fault recovery commands, directives, and instructions to sites and elements except for faults directly related to flight operations.	B: Full capability using system fault management tools						
SMC-4335#B	4969	functional	The LSM shall generate fault recovery commands, directives, and instructions within its element.	B: Fully automated						
ESN-0620#B	3975	functional	The ESN shall include a network management function to monitor and control the ESN.							
ESN-0650#B	3977	security	The ESN shall perform the following network management functions for each protocol stack implemented in any ECS element, and each communications facility: a. Network Configuration Management b. Network Fault Management c. Network Performance Management d. Network Security Management							

SMC-4330#A	4328	functional	SMC shall have the capability to generate fault recovery commands, directives, and instructions to sites and elements except for faults directly related to flight operations.	A: Performed by M&O staff using e-mail and/or phone	C-MSS-60510	269	functional operational	A	The MSS EMC Fault Management Application Service at the SMC shall coordinate, as necessary via directives and instructions, the recovery from faults reported from a site.	<u>Satisfied via e-mail.</u>
SMC-4330#B	4967	functional	SMC shall have the capability to generate fault recovery commands, directives, and instructions to sites and elements except for faults directly related to flight operations.	B: Full capability using system fault management tools						
SMC-4335#B	4969	functional	The LSM shall generate fault recovery commands, directives, and instructions within its element.	B: Fully automated	C-MSS-60540	272	functional operational	A	The MSS Fault Management Application Service shall utilize office automation support tools for the generation of directives and instructions for recovery from faults within its site.	<u>Satisfied via OA tools.</u>
SMC-4335#A	4329	functional	The LSM shall generate fault recovery commands, directives, and instructions within its element.	A: Partial compliance - manual or semi-automated						
EOSD1710#A	6456	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	A: NOAA ADC 1-way interoperability ECS to NOAA	C-MSS-66140	9106	functional operational	A	The MSS EMC Performance Management Application Service shall have the capability to request performance data from: a. Site performance management applications b. Other external systems as defined in Section 5.1 of the current version of 304-CD-003.	<u>Satisfied via e-mail.</u>

NSI-0060#A	6234	interface	NSI shall provide ECS SMC with load analysis reports, reflecting or summarizing NSI performance measurements over various time intervals.		C-MSS-66150	9125	functional operational	A	The MSS EMC Performance Management Application Service shall be capable of receiving performance data from: a. Site performance management applications b. Other external systems as defined in Section 5.1 of the current version of 304-CD-003.	<u>Satisfied via e-mail.</u>
NSI-0060#B	6242	interface	NSI shall provide ECS SMC with load analysis reports, reflecting or summarizing NSI performance measurements over various time intervals.							
EOSD1710#A	6456	interface	ECS elements shall exchange with ADCs/ODCs, such as NOAA and other data processing and archiving facilities, information including the following: a. Directories b. Product Orders c. Order Status d. Science Data e. Management Data	A: NOAA ADC 1-way interoperability ECS to NOAA						
SMC-3355#B	4931	functional	The LSM shall implement the performance criteria from SMC (including parametric limits and operational threshold levels) for evaluating element resource performance.	B: Full capability (through use of performance management tools)	C-MSS-66210	4898	functional operational	A	The MSS EMC performance management application service shall be capable of sending a list of suggested initial thresholds for each performance metric to the MSS site performance management application service.	<u>Satisfied via e-mail.</u>

SMC-3355#A	4303	functional	The LSM shall implement the performance criteria from SMC (including parametric limits and operational threshold levels) for evaluating element resource performance.	A: Performed by M&O staff using performance management tools						
SMC-3355#A	4303	functional	The LSM shall implement the performance criteria from SMC (including parametric limits and operational threshold levels) for evaluating element resource performance.	A: Performed by M&O staff using performance management tools	C-MSS-66220	4899	functional <u>operational</u>	A	The MSS site performance management application service shall be capable of receiving a list of suggested initial thresholds for each performance metric from the MSS EMC performance management application service.	<u>Satisfied via e-mail.</u>
SMC-3355#B	4931	functional	The LSM shall implement the performance criteria from SMC (including parametric limits and operational threshold levels) for evaluating element resource performance.	B: Full capability (through use of performance management tools)						
SMC-3385#A	4307	functional	The LSM shall evaluate system performance against the ESDIS project established performance criteria.		C-MSS-66320	5300	functional	A	The MSS Performance Management Application Service shall be capable of receiving the following performance data from the Data Server: a. total order volume b. average elapsed time for of Data Server events	
SMC-3385#B	4943	functional	The LSM shall evaluate system performance against the ESDIS project established performance criteria.							

SMC-3385#B	4943	functional	The LSM shall evaluate system performance against the ESDIS project established performance criteria.		C-MSS-66330	5301	functional	A	The MSS Performance Management Application Service shall be capable of receiving the following performance data from Data Processing Planning : a. number of products generated <u>Notification received</u> b. product run times <u>Notification received but not processed</u> c. product CPU times <u>DPRs released</u>	<u>Data will be received via MDA and logged into management database.</u>
SMC-3385#A	4307	functional	The LSM shall evaluate system performance against the ESDIS project established performance criteria.							
SMC-3385#A	4307	functional	The LSM shall evaluate system performance against the ESDIS project established performance criteria.		C-MSS-66340	5302	functional	A	The MSS Performance Management Application Service shall be capable of receiving the following performance data from Ingest: a. ingest volumes b. processing times c. no. of completed requests d. no. of unsuccessful requests	
SMC-3385#B	4943	functional	The LSM shall evaluate system performance against the ESDIS project established performance criteria.							

SMC-8840#A	4374	functional	The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum: a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results	A: Full compliance	C-MSS-68030	311	functional	A	The MSS performance management application service shall be capable of receiving system resource utilization information requests from the SDPS <u>Planning & Data Processing</u> Data Processing subsystem operators via the Management Agent Service.	
SMC-8840#B	5048	functional	The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum: a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results							

SMC-8840#B	5048	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum:</p> <ul style="list-style-type: none"> a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results 		C-MSS-68040	312	functional	A	<p>The MSS performance management application service shall be capable of providing the following current system resource utilization information to the SDPS <u>Planning & Data Processing subsystem operators</u> via Management Agent Service:</p> <ul style="list-style-type: none"> a. CPU utilization b. memory utilization c. disk i/o's (per second) 	
SMC-8840#A	4374	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum:</p> <ul style="list-style-type: none"> a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results 	A: Full compliance						

SMC-8840#A	4374	functional	The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum: a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results	A: Full compliance	C-MSS-68050	313	functional	A	The MSS performance management application service shall be capable of receiving resource utilization information requests from the SDPS Data Server subsystems operators via Management Agent Service.	
SMC-8840#B	5048	functional	The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum: a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results							

SMC-8840#B	5048	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum:</p> <ul style="list-style-type: none"> a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results 		C-MSS-68060	314	functional	A	<p>The MSS performance management application service shall be capable of providing the following current resource utilization information to the SDPS Data Server subsystems operators <u>via Management Agent Service</u>:</p> <ul style="list-style-type: none"> a. CPU utilization b. memory utilization c. disk I/O's (per second) 	
SMC-8840#A	4374	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum:</p> <ul style="list-style-type: none"> a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results 	A: Full compliance						

SMC-8840#A	4374	functional	The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum: a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results	A: Full compliance	C-MSS-68070	315	functional	A	The MSS performance management application service shall be capable of receiving resource utilization information requests from the SDPS Client subsystem operators via Management Agent Service.	
SMC-8840#B	5048	functional	The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum: a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results							

SMC-8840#B	5048	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum:</p> <ul style="list-style-type: none"> a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results 		C-MSS-68080	316	functional	A	<p>The MSS performance management application service shall be capable of providing the following current resource utilization information to the SDPS Client subsystem operators <u>via Management Agent Service</u>.</p> <ul style="list-style-type: none"> a. CPU utilization b. memory utilization c. disk I/O's (per second) 	
SMC-8840#A	4374	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the performance of ground resources, including, at a minimum:</p> <ul style="list-style-type: none"> a. Resource availability b. Reason for down time c. Resource utilization d. Ability of resource to meet performance criteria e. Short and long-term trend analysis and capacity planning results 	A: Full compliance						

SMC-3340#A	4299	functional	<p>The SMC shall perform quality assurance for the overall ECS performance as well as programmatic areas that include, at a minimum:</p> <ul style="list-style-type: none"> a. System quality testing, benchmarks, and audits for system enhancement implementations b. System quality checking and audits of products processed and delivered c. Quality testing and audits of site and element resource performance. 	A: Performed by M&O staff using available performance management tools.	C-MSS-69000	317	functional <u>operational</u>	A	The MSS performance management application service shall maintain operational benchmark test procedures.	<u>Satisfied via OA tools.</u>
SMC-3340#B	4923	functional	<p>The SMC shall perform quality assurance for the overall ECS performance as well as programmatic areas that include, at a minimum:</p> <ul style="list-style-type: none"> a. System quality testing, benchmarks, and audits for system enhancement implementations b. System quality checking and audits of products processed and delivered c. Quality testing and audits of site and element resource performance. 	B: Full capability						

SMC-3345#B	4925	functional	The LSM shall perform quality assurance for its site/elements performance as well as programmatic areas that includes, at a minimum: a. Quality testing, benchmarks and audits for element enhancement implementations b. Quality checking and audits of products processed and delivered c. Quality testing and audits of element resource performance,	B: Full capability (through use of various performance management tools)	C-MSS-69010	318	functional <u>operational</u>	A	The MSS performance management application service shall receive and maintain operational benchmark test results.	<u>Satisfied via OA tools.</u>
SMC-3345#A	6492	functional	The LSM shall perform quality assurance for its site/elements performance as well as programmatic areas that includes, at a minimum: a. Quality testing, benchmarks and audits for element enhancement implementations b. Quality checking and audits of products processed and delivered c. Quality testing and audits of element resource performance,	A: Performed by M&O staff using various performance management tools						

SMC-3340#A	4299	functional	The SMC shall perform quality assurance for the overall ECS performance as well as programmatic areas that include, at a minimum: a. System quality testing, benchmarks, and audits for system enhancement implementations b. System quality checking and audits of products processed and delivered c. Quality testing and audits of site and element resource performance.	A: Performed by M&O staff using available performance management tools.	C-MSS-69020	319	functional <u>operational</u>	A	The MSS performance management application service shall be capable of performing operational benchmark tests.	<u>Benchmark tests are initiated manually by M&O operators.</u>
ESN-0815#B	3988	functional	Network simulation and traffic modeling capability shall be provided to troubleshoot network problems and to use in network planning.							
SMC-3340#B	4923	functional	The SMC shall perform quality assurance for the overall ECS performance as well as programmatic areas that include, at a minimum: a. System quality testing, benchmarks, and audits for system enhancement implementations b. System quality checking and audits of products processed and delivered c. Quality testing and audits of site and element resource performance.	B: Full capability						

ESN-0815#A	5202	functional	Network simulation and traffic modeling capability shall be provided to troubleshoot network problems and to use in network planning.							
SMC-3340#A	4299	functional	<p>The SMC shall perform quality assurance for the overall ECS performance as well as programmatic areas that include, at a minimum:</p> <ul style="list-style-type: none"> a. System quality testing, benchmarks, and audits for system enhancement implementations b. System quality checking and audits of products processed and delivered c. Quality testing and audits of site and element resource performance. 	A: Performed by M&O staff using available performance management tools.	C-MSS-69030	322	functional <u>operational</u>	A	The MSS performance management application service shall be capable of providing results of benchmark tests and results of predefined tests to the M&O staff for validation.	<u>Satisfied via OA tools.</u>
EOSD1703#A	5599	interface	<p>ECS shall provide maintenance and operations interfaces to the DAACs to support the functions of:</p> <ul style="list-style-type: none"> a). System Management b). Science Algorithm Integration c). Product Generation d). Data Archive/Distribution e). User Support Services f). System Maintenance 	A: GSFC, MSFC, LaRC DAACs. Users Services is provided through the same interfaces available to the users community which included the VO Client for Release A. For the EDC DAACs, only item b. of req. text applicable.						

EOSD1703#B	5600	interface	ECS shall provide maintenance and operations interfaces to the DAACs to support the functions of: a). System Management b). Science Algorithm Integration c). Product Generation d). Data Archive/Distribution e). User Support Services f). System Maintenance	B: all DAACs						
ESN-0815#B	3988	functional	Network simulation and traffic modeling capability shall be provided to troubleshoot network problems and to use in network planning.							
SMC-3340#B	4923	functional	The SMC shall perform quality assurance for the overall ECS performance as well as programmatic areas that include, at a minimum: a. System quality testing, benchmarks, and audits for system enhancement implementations b. System quality checking and audits of products processed and delivered c. Quality testing and audits of site and element resource performance.	B: Full capability						
ESN-0815#A	5202	functional	Network simulation and traffic modeling capability shall be provided to troubleshoot network problems and to use in network planning.							

EOSD2660#B	3893	security	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.		C-MSS-70320	332	functional operational	A	The MSS site Security Management Application Service shall have the capability to send the results of the tests to the EMC Security Management Application Service.	<u>Satisfied via e-mail.</u>
SMC-5335#A	4340	security	The LSM shall perform security testing that includes, at a minimum, password auditing and element internal access/privileges checking.							
SMC-5335#B	4977	security	The LSM shall perform security testing that includes, at a minimum, password auditing and element internal access/privileges checking.							
EOSD2660#A	5075	security	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.							
SMC-5330#B	4975	security	The SMC shall provide support, manage, maintain, and request security testing that includes, at a minimum, password checking and control of site and element internal privileges.		C-MSS-70330	333	functional operational	A	The MSS EMC Security Management Application Service shall have the capability to request, support, coordinate and maintain security testing for sites.	<u>Satisfied via e-mail</u>
EOSD2660#A	5075	security	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.							

SMC-5330#A	4338	security	The SMC shall provide support, manage, maintain, and request security testing that includes, at a minimum, password checking and control of site and element internal privileges.							
EOSD2660#B	3893	security	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.							
EOSD2660#B	3893	security	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.		C-MSS-70340	334	functional <u>operational</u>	A	The MSS EMC Security Management Application Service shall have the capability to request security testing of the sites on a scheduled and an interactive basis	<u>Satisfied via e-mail</u>
SMC-5330#A	4338	security	The SMC shall provide support, manage, maintain, and request security testing that includes, at a minimum, password checking and control of site and element internal privileges.							
SMC-5330#B	4975	security	The SMC shall provide support, manage, maintain, and request security testing that includes, at a minimum, password checking and control of site and element internal privileges.							
EOSD2660#A	5075	security	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.							

SMC-5330#B	4975	security	The SMC shall provide support, manage, maintain, and request security testing that includes, at a minimum, password checking and control of site and element internal privileges.		C-MSS-70350	335	functional operational	A	The MSS EMC Security Management Application Service shall have the capability to receive the results of security tests performed at the sites.	<u>Satisfied via e-mail (or kftp for sensitive data)</u>
EOSD2660#A	5075	security	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.							
SMC-5330#A	4338	security	The SMC shall provide support, manage, maintain, and request security testing that includes, at a minimum, password checking and control of site and element internal privileges.							
EOSD2660#B	3893	security	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.							
EOSD2650#B	3892	security	ECS elements shall report detected security violations to the SMC.		C-MSS-70400	336	functional operational	A	The MSS EMC Security Management Application Service shall have the capability to receive notifications of security events from the site Security Management Application Services._	<u>Satisfied via e-mail</u>
EOSD2710#B	3894	security	ECS elements shall report all detected computer viruses and actions taken to the SMC.							
SMC-5340#A	4342	security	The SMC shall perform security risk analyses and compromise detection.	A: Performed by M&O staff using detection tools						

SMC-5340#B	4978	security	The SMC shall perform security risk analyses and compromise detection.	B: Fully automated.						
EOSD2650#A	6310	security	ECS elements shall report detected security violations to the SMC.							
EOSD2710#A	5077	security	ECS elements shall report all detected computer viruses and actions taken to the SMC.							
SMC-5340#A	4342	security	The SMC shall perform security risk analyses and compromise detection.	A: Performed by M&O staff using detection tools	C-MSS-70420	338	functional	A	The MSS EMC Security Management Application Service shall have the capability to analyze security audit trails <u>events</u> for the purpose of detecting intrusions.	
SMC-5345#B	4979	security	The LSM shall perform compromise (e.g., virus or worm penetration) risk analysis, and detection.		C-MSS-70430	339	functional operational	A	The MSS site Security Management Application Service shall provide the capability to designate a user or a group of users to receive a notification upon the detection of an intrusion, virus or worm .	<u>Satisfied via e-mail aliases set up and maintained by M&O operators</u>
EOSD2710#A	5077	security	ECS elements shall report all detected computer viruses and actions taken to the SMC.							
EOSD2650#A	6310	security	ECS elements shall report detected security violations to the SMC.							
SMC-5345#A	6495	security	The LSM shall perform compromise (e.g., virus or worm penetration) risk analysis, and detection.							
EOSD2650#B	3892	security	ECS elements shall report detected security violations to the SMC.							

EOSD2710#B	3894	security	ECS elements shall report all detected computer viruses and actions taken to the SMC.							
EOSD2710#B	3894	security	ECS elements shall report all detected computer viruses and actions taken to the SMC.		C-MSS-70440	340	functional	A	The MSS site Security Management Application Service shall provide the capability to notify designated M&O staff(s) upon the detection of an intrusion, virus or worm.	
SMC-5345#B	4979	security	The LSM shall perform compromise (e.g., virus or worm penetration) risk analysis, and detection.		C-MSS-70450	341	functional	A	The MSS site Security Management Application Service shall have the capability to detect the following types of intrusions: a._Login failures b._Unauthorized access to ECS resources c._Break-ins_ d._Viruses and worms	<u>Security management detects intrusions based on events logged to the Management Log.</u>
SMC-5350#B	4981	security	The SMC shall have the capability to initiate recovery procedures in response to a detected security compromise.	B: Fully automated	C-MSS-70500	343	functional <u>operational</u>	A	The MSS EMC Security Management Application Service shall have the capability to coordinate with the site Security Management Application Services, via directives and instructions, the recovery from security compromises._	<u>Satisfied via e-mail.</u>

EOSD2990#A	6417	security	The ECS elements shall support the recovery from a system failure due to a loss in the integrity of the ECS data or a catastrophic violation of the security system.	A: at each DAAC as activated by the release recovery of higher level products by reprocessing of Level 0 if needed. A: at the SMC and EOC to support system failures.						
EOSD2990#B	3895	security	The ECS elements shall support the recovery from a system failure due to a loss in the integrity of the ECS data or a catastrophic violation of the security system.	B: all DAACs						
SMC-5350#A	4344	security	The SMC shall have the capability to initiate recovery procedures in response to a detected security compromise.	A: Performed by M&O staff						
SMC-5355#A	4345	security	The LSM shall isolate the compromised area, detach the compromised input I/O, and the compromised areas output I/O until the compromise has been eliminated.		C-MSS-70510	344	functional operational	A	The MSS site Security Management Application Service shall, upon the detection of a compromise, isolate the compromised input I/O, and the compromised area's output I/O until the compromise has been eliminated._	<u>Isolation done manually by M&O operators.</u>

EOSD2990#B	3895	security	The ECS elements shall support the recovery from a system failure due to a loss in the integrity of the ECS data or a catastrophic violation of the security system.	B: all DAACs						
EOSD1703#B	5600	interface	ECS shall provide maintenance and operations interfaces to the DAACs to support the functions of: a). System Management b). Science Algorithm Integration c). Product Generation d). Data Archive/Distribution e). User Support Services f). System Maintenance	B: all DAACs						
EOSD1703#A	5599	interface	ECS shall provide maintenance and operations interfaces to the DAACs to support the functions of: a). System Management b). Science Algorithm Integration c). Product Generation d). Data Archive/Distribution e). User Support Services f). System Maintenance	A: GSFC, MSFC, LaRC DAACs. Users Services is provided through the same interfaces available to the users community which included the VO Client for Release A. For the EDC DAACs, only item b. of req. text applicable.						

EOSD2990#A	6417	security	The ECS elements shall support the recovery from a system failure due to a loss in the integrity of the ECS data or a catastrophic violation of the security system.	A: at each DAAC as activated by the release recovery of higher level products by reprocessing of Level 0 if needed. A: at the SMC and EOC to support system failures.						
SMC-5355#B	4983	security	The LSM shall isolate the compromised area, detach the compromised input I/O, and the compromised areas output I/O until the compromise has been eliminated.							
SMC-5365#B	4986	security	The LSM shall generate recovery actions in response to the detection of compromises.		C-MSS-70530	346	functional <u>operational</u>	A	The MSS EMC Security Management Application Service shall coordinate, as necessary via directives and instructions, the recovery from security events reported from a site. _	<u>Satisfied via e-mail.</u>
EOSD2990#A	6417	security	The ECS elements shall support the recovery from a system failure due to a loss in the integrity of the ECS data or a catastrophic violation of the security system.	A: at each DAAC as activated by the release recovery of higher level products by reprocessing of Level 0 if needed. A: at the SMC and EOC to support system failures.						

EOSD2990#B	3895	security	The ECS elements shall support the recovery from a system failure due to a loss in the integrity of the ECS data or a catastrophic violation of the security system.	B: all DAACs						
SMC-5365#A	4346	security	The LSM shall generate recovery actions in response to the detection of compromises.							
SMC-7300#A	4359	functional	The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum: a. Users identifications b. Addresses c. Allowed privileges	A: Full Capability	C-MSS-75000	352	functional	A	The MSS accountability management service shall provide the capability to maintain a user profile database that stores the following information for each registered user: a. Name b. User ID c. Password information 1. password 2. password expiration date d. Assigned privileges e. Mailing address f. Telephone number g. Product shipping address h. E-mail address i. Organization (optional) j. Project affiliation(s) (optional) 1. project name 2. project principal investigator k. User group l. Account information 1. creation date 2. expiration date m. Restrictions 1. time of day 2. location 3. type of service	

SMC-6310#A	4348	security	The SMC shall perform, as needed, security audit trails.	A: Fully automated	C-MSS-76020	357	functional	A	The MSS accountability management service shall be capable of retrieving all activities associated with a particular user or data item via <u>from</u> the Management Data Access service Database..	
SMC-6325#A	4352	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6320#A	4351	security	The SMC shall perform, as needed, data and user audit trails.	A: Full compliance						
SMC-6315#A	4350	security	The LSM shall perform, as needed, security audit trails within its element.	A: Full compliance						
SMC-6310#B	4989	security	The SMC shall perform, as needed, security audit trails.							
SMC-6320#B	4992	security	The SMC shall perform, as needed, data and user audit trails.							
SMC-6325#B	5000	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6315#B	4990	security	The LSM shall perform, as needed, security audit trails within its element.							

EOSD2510#B	3887	security	ECS elements shall maintain an audit trail of: a. All accesses to the element security controlled data b. Users/processes/elements requesting access to element security controlled data c. Data access/manipulation operations performed on security controlled data d. Date and time of access to security controlled data e. Unsuccessful access attempt to the element security controlled data by unauthorized users/elements/processes f. Detected computer system viruses and worms g. Actions taken to contain or destroy a virus		C-MSS-76030	329	functional	A	The MSS Accountability Management Service shall <u>be capable of browsing, via the Management Data Access service, logged events</u> , for each ECS host, <u>indicating incoming access attempts via</u> : a. telnet b. FTP c. rlogin d. finger.	
ESN-1430#B	4019	security	The ESN shall provide the following security event functions: a. Event detection b. Event reporting c. Event logging							
SMC-6310#A	4348	security	The SMC shall perform, as needed, security audit trails.	A: Fully automated						
SMC-6315#A	4350	security	The LSM shall perform, as needed, security audit trails within its element.	A: Full compliance						

EOSD2510#A	4847	security	ECS elements shall maintain an audit trail of: a. All accesses to the element security controlled data b. Users/processes/elements requesting access to element security controlled data c. Data access/manipulation operations performed on security controlled data d. Date and time of access to security controlled data e. Unsuccessful access attempt to the element security controlled data by unauthorized users/elements/processes f. Detected computer system viruses and worms g. Actions taken to contain or destroy a virus							
ESN-1430#A	5250	security	The ESN shall provide the following security event functions: a. Event detection b. Event reporting c. Event logging							
SMC-6315#B	4990	security	The LSM shall perform, as needed, security audit trails within its element.							
SMC-6310#B	4989	security	The SMC shall perform, as needed, security audit trails.							

SMC-6320#B	4992	security	The SMC shall perform, as needed, data and user audit trails.		C-MSS-77000	—358	functional	A	The MSS accountability management service shall be capable of retrieving data processing information (instrument used and date/time of ingest or algorithm used (name and version) and date/time of processing) from records generated by the SDPS Data Processing subsystem.	
SMC-6325#B	5000	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6320#A	4351	security	The SMC shall perform, as needed, data and user audit trails.	A: Full compliance						
SMC-6325#A	4352	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-7300#A	4359	functional	The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum: a. Users identifications b. Addresses c. Allowed privileges	A: Full Capability	C-MSS-77005	—5317	functional	A	The MSS Accountability Management Service shall be capable of retrieving data processing information for a specified managed resource.	
SMC-7300#B	5021	functional	The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum: a. Users identifications b. Addresses c. Allowed privileges							
SMC-6320#A	4351	security	The SMC shall perform, as needed, data and user audit trails.	A: Full compliance	C-MSS-77010	—360	functional	A	The MSS accountability management service shall be capable of querying via the Management Data Access service all data processing information stored in the Management database.	

SMC-6325#A	4352	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6320#B	4992	security	The SMC shall perform, as needed, data and user audit trails.							
SMC-6325#B	5000	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6320#B	4992	security	The SMC shall perform, as needed, data and user audit trails.		C-MSS-77030	-361	functional	A	The MSS accountability management service shall be capable of retrieving all data processing information logged for a specified data item.	
SMC-6335#B	5004	functional	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	B: Full capability through performance management tools						
SMC-6325#B	5000	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6330#B	5002	functional	The SMC shall establish, maintain, and update a data tracking system that, at a minimum: a. Tracks data transport from system input to system output b. Allows the status of all product-production activities to be determined	B: Full capability						

SMC-6320#A	4351	security	The SMC shall perform, as needed, data and user audit trails.	A: Full compliance						
SMC-6335#A	4355	functional	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	A: Partial compliance since not all sites, services and components are in Rel. A						
SMC-6330#A	4354	functional	The SMC shall establish, maintain, and update a data tracking system that, at a minimum: a. Tracks data transport from system input to system output b. Allows the status of all product-production activities to be determined	A: Full compliance for sites, services, components, and products in Rel. A						
SMC-6325#A	4352	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6320#A	4351	security	The SMC shall perform, as needed, data and user audit trails.	A: Full compliance	C-MSS-77040	362	functional	A	The MSS accountability management service shall be capable of accepting queries for the status of a particular ordered data item from the SDPS-Client subsystem <u>M&O operators</u> .	
SMC-6330#A	4354	functional	The SMC shall establish, maintain, and update a data tracking system that, at a minimum: a. Tracks data transport from system input to system output b. Allows the status of all product-production activities to be determined	A: Full compliance for sites, services, components, and products in Rel. A						

SMC-6335#A	4355	functional	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	A: Partial compliance since not all sites, services and components are in Rel. A						
SMC-6325#A	4352	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6320#B	4992	security	The SMC shall perform, as needed, data and user audit trails.							
SMC-6325#B	5000	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6335#B	5004	functional	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	B: Full capability through performance management tools						
SMC-6330#B	5002	functional	The SMC shall establish, maintain, and update a data tracking system that, at a minimum: a. Tracks data transport from system input to system output b. Allows the status of all product-production activities to be determined	B: Full capability						

IMS-1310#A	5553	interface	The IMS shall provide the capability to accept, from product requesters, product distribution status requests, retrieve the request status, and display the status to the requester for an ECS, ADC, or ODC data product.	At Release A, ECS will support this requirement by users contacting ops/user services who then utilize an ops MSS interface to obtain status.	C-MSS-77050	9246	functional	A	The MSS accountability management service shall be capable of interfacing with the SDPS subsystems to determine the status of an ordered data item to be: a. Request in queue for processing <u>Pending</u> b. Request currently being processed <u>Operator intervention</u> c. Request successfully processed <u>Staging</u> d. Error in request processing <u>Transferring</u> e. Error in request <u>Not Found</u> f. <u>Waiting for Shipment</u> g. <u>Shipped</u>	
SMC-6320#B	4992	security	The SMC shall perform, as needed, data and user audit trails.							
SMC-6325#B	5000	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6330#B	5002	functional	The SMC shall establish, maintain, and update a data tracking system that, at a minimum: a. Tracks data transport from system input to system output b. Allows the status of all product-production activities to be determined	B: Full capability						

SMC-6335#B	5004	functional	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	B: Full capability through performance management tools						
SMC-6320#A	4351	security	The SMC shall perform, as needed, data and user audit trails.	A: Full compliance						
SMC-6335#A	4355	functional	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	A: Partial compliance since not all sites, services and components are in Rel. A						
SMC-6325#A	4352	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6330#A	4354	functional	The SMC shall establish, maintain, and update a data tracking system that, at a minimum: a. Tracks data transport from system input to system output b. Allows the status of all product-production activities to be determined	A: Full compliance for sites, services, components, and products in Rel. A						
SMC-6320#A	4351	security	The SMC shall perform, as needed, data and user audit trails.	A: Full compliance	C-MSS-77060	364	functional	A	The MSS accountability management service shall be capable of reporting the requested status of an ordered data item to the SDPS Client subsystem M&O operators.	

SMC-6335#A	4355	functional	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	A: Partial compliance since not all sites, services and components are in Rel. A						
SMC-6330#A	4354	functional	The SMC shall establish, maintain, and update a data tracking system that, at a minimum: a. Tracks data transport from system input to system output b. Allows the status of all product-production activities to be determined	A: Full compliance for sites, services, components, and products in Rel. A						
SMC-6325#A	4352	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-6320#B	4992	security	The SMC shall perform, as needed, data and user audit trails.							
SMC-6330#B	5002	functional	The SMC shall establish, maintain, and update a data tracking system that, at a minimum: a. Tracks data transport from system input to system output b. Allows the status of all product-production activities to be determined	B: Full capability						

SMC-6335#B	5004	functional	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	B: Full capability through performance management tools						
SMC-6325#B	5000	security	The LSM shall perform, as needed, data and user audit trails within its element.							
SMC-7310#A	4360	functional	The SMC shall establish, maintain, and update the approved facility and equipment inventory to include, at a minimum: a. Facility and equipment identification b. Addresses c. Allowed accesses to privileges	A: Full capability - allowed accesses to privileges assumed under site-level service control for activated sites and components may be limited for this release.	C-MSS-87620	-5149	functional	A	The Physical Configuration Management Service shall provide tight integration with the Trouble Ticketing (TT) System including allowing direct access of the TT through the Physical Configuration Management Interface.	
SMC-8700#B	5030	functional	The SMC shall have the capability to generate a functional allocation report which gives the current allocation of ground segment functions to the sites and elements, including, at a minimum: a. The allocation of generation and storage function by standard product to each active archive b. The allocation of instrument responsibility to each ICC	B: Fully automated	C-MSS-90140	-165	functional	A	The DBMS shall support, or be accessed via, CSS session-establishment services.	

SMC-8770#B	5039	functional	<p>The SMC shall have the capability to generate, at a minimum, detailed and summary reports showing the inventory of:</p> <ul style="list-style-type: none"> a. Hardware, system, and scientific software b. Spares and consumables 							
SMC-2500#A	4272	functional	<p>The SMC shall establish and maintain a system-wide inventory of all hardware, scientific and system software contained within ECS, including at a minimum:</p> <ul style="list-style-type: none"> a. Hardware or software identification numbers b. Version numbers and dates c. Manufacturer d. Part number e. Serial number f. Name and locator information for software maintenance g. Location where hardware or software is used 	A: Performed by the staff using inventory system						

SMC-2500#B	4741	functional	<p>The SMC shall establish and maintain a system-wide inventory of all hardware, scientific and system software contained within ECS, including at a minimum:</p> <ul style="list-style-type: none"> a. Hardware or software identification numbers b. Version numbers and dates c. Manufacturer d. Part number e. Serial number f. Name and locator information for software maintenance g. Location where hardware or software is used 	B: Fully automated						
SMC-8770#A	4370	functional	<p>The SMC shall have the capability to generate, at a minimum, detailed and summary reports showing the inventory of:</p> <ul style="list-style-type: none"> a. Hardware, system, and scientific software b. Spares and consumables 	A: Full capability						
SMC-8700#A	4366	functional	<p>The SMC shall have the capability to generate a functional allocation report which gives the current allocation of ground segment functions to the sites and elements, including, at a minimum:</p> <ul style="list-style-type: none"> a. The allocation of generation and storage function by standard product to each active archive b. The allocation of instrument responsibility to each ICC 	A: Manual or semi-automated						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58000</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall have a graphical interface to support the entry and editing of contacts.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58010</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall provide an Application Program Interface which supports integration of entry of contacts by other packages.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58020</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<p><u>The Contact Log Service shall provide the ability to search historical and current contacts by category, log id, associated trouble ticket, contact organization, contact home DAAC, contact phone number, and contact id.</u></p>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58030</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall provide the ability to maintain different contact statuses including logged, open, and closed.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58040</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<p><u>The Contact Log Service shall provide the ability to store the following minimum set of information: unique contact id, status, description, contact name, receiving operator, received time, modified date, last modified by, and category.</u></p>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58050</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall integrate with the framework to allow management and monitoring of its services.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58060</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall allow entry of a contact log by any operator of the system.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58070</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall provide the capability to generate reports from its data.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58080</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall allow output of reports to either the screen, file, or printer.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58090</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall provide customization features to allow sites to specify receiving operator and category.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58100</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall allow creation of trouble ticket from contact log.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	<p>The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:</p> <ul style="list-style-type: none"> a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback 	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58110</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall allow access of trouble ticket from contact log.</u>	
SMC-8841#A	4375	functional	<p>The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum:</p> <ul style="list-style-type: none"> a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations 	A: Performed by M&O staff using office automation tools.						

SMC-8800#A	4372	functional	The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include: a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback	A: Performed by M&O staff using office automation tools.	<u>C-MSS-58120</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The Contact Log Service shall allow automatic population of create time.</u>	
SMC-8841#A	4375	functional	The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum: a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations	A: Performed by M&O staff using office automation tools.						
IMS-0060#A	5467	security	The IMS shall, when creating ECS user accounts, request registration approval, user account priorities, and authorized user services from the SMC.		<u>C-MSS-75052</u>	<u>new</u>	<u>functional</u>	<u>A</u>	<u>The MSS shall provide the user with registration approval results when new ECS user accounts are requested.</u>	